

ABSTRACT OF THE INVENTION

The present invention is directed towards a method of forming a multilayer golf ball which comprises a core, an inner cover layer and an outer cover layer. The steps
5 include forming a golf ball core; molding an inner cover layer around said golf ball core
with a material having a first shore D hardness; and casting an outer cover layer around said
inner cover layer and golf ball core with a thermoset material having a second shore D
hardness less than the first. The core is comprised of a center made from a first rubber
based material and an outer layer formed from a second rubber based material. Preferably,
10 the first rubber based material has about 15 to 25 parts of a crosslinking agent per hundred
parts of rubber and the second rubber based material has about 20 to 40 parts of a
crosslinking agent per hundred parts of rubber.